

PANEL INDICATOR LEDs - Ø9.5mm Mounting

FEATURES



423 SERIES

PACK QUANTITY = 20 PIECES

- Front panel replaceability
- Must be used in conjunction with 905-000-00 panel socket. See datasheet DS084/04
- Domed fresnel lens for wide angle viewing
- Smoked & water clear lens options
- Sealed to IP40
- Product illustrated 423-532-22 in 905-000-00 panel mounting socket

SPECIFICATIONS

Ordering Information & Typical Technical Characteristics (Ta = 25°C)

Mean Time Between Failure Typically = 100,000 Hours. Luminous intensity figures refer to the unmodified discrete LED.

PART NUMBER	COLOUR		LENS	VOLTAGE DC Vopr	CURRENT DC lopr	LUMINOUS INTENSITY Iv@20mA	WAVE LENGTH λρ	OPERATING TEMP Topr	STORAGE TEMP Tstg	RoHS
				HIC	SH INTE	NSITY				2002/93/60
423-501-21	Red	0	Colour Diffused	12	20	11000	643	-0 ~ +85^	-0 ~ +85	Yes
423-521-21	Yellow		Colour Diffused	12	20	16000	591	-0 ~ +85^	-0 ~ +85	Yes
423-532-21	Green	0	Colour Diffused	12	20	23000	527	-0 ~ +85^	-0 ~ +85	Yes
423-930-21	Blue	0	Colour Diffused	12	20	7000	470	-0 ~ +85^	-0 ~ +85	Yes
423-997-21	Cold White		Colour Diffused	12	20	14000	*see below	-0 ~ +85^	-0 ~ +85	Yes
423-501-23	Red		Colour Diffused	24-28	17.5	11000	643	-0 ~ +85^	-0 ~ +85	Yes
423-521-23	Yellow		Colour Diffused	24-28	17.5	16000	591	-0 ~ +85^	-0 ~ +85	Yes
423-532-23	Green	0	Colour Diffused	24-28	17.5	23000	527	-0 ~ +85^	-0 ~ +85	Yes
423-930-23	Blue	0	Colour Diffused	24-28	17.5	7000	470	-0 ~ +85^	-0 ~ +85	Yes
423-997-23	Cold White		Colour Diffused	24-28	17.5	14000	*see below	-0 ~ +85^	-0 ~ +85	Yes
UNITS				Vdc	mA	mcd	nm	0C	0C	

997F-C	*Typical emission colour cold white						
x	0.245	0.361	0.356	0.264			
У	0.229	0.385	0.351	0.220			

Intensities (Iv) and colour shades of white (x,y co-ordinates) may vary between LEDs within a batch.

^ = Products must be derated according to the derating information. Each derating graph refers to specific LEDs. Appropriate LED numbers shown. Refer to page 3.

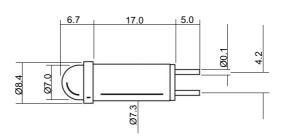
How to Order:

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423 SERIES



Dimensions in mm (Typical) Not to scale Termination pins are off axis for polarity insertion into socket

MATERIALS

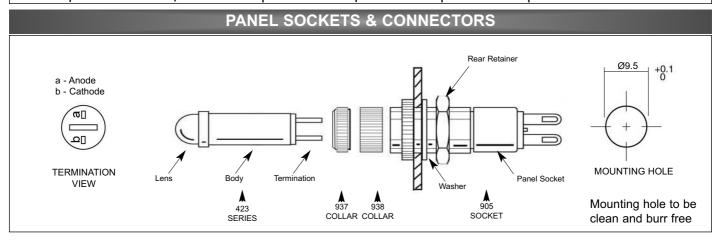
Body Nylon 6

Termination Pins Tin on Nickel Plated Phosphor Bronze

Fresnel lens Polycarbonate
Header Black Acetal

Mounting Hardware Use with socket 905-000-00.

TECHNICAL CHARACTERISTICS						
SERIES	MAXIMUM POWER DISSIPATION	MAXIMUM REVERSE VOLTAGE	PANEL CUTOUT	MINIMUM MOUNTING CENTRES	MAX. PANEL THICKNESS	
423	500	3	9.5	16.5	6.5	
UNITS	mW	Vdc	mm	mm	mm	



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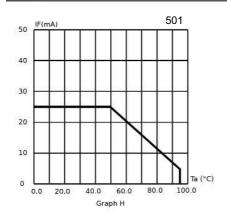
• Telephone +44 (0)1229 582430 • Fax: +44 (0)1229 585155

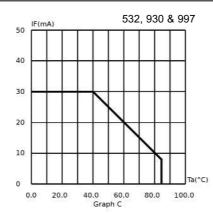


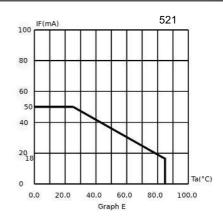


Optional Reverse Protection Diode					
ORDER CODE SUFFIX	CIRCUIT	COMMENTS			
01	Anode Resistor // LED Diode Cathode	Available on all indicators except Bi-Colour devices.			

De-rating Information







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423 Series

Part numbers also available in the 423 Series:

423-501-04 Rec 423-501-20 Rec 423-501-22 Rec 423-501-24 Rec	5/6Vdc d 24Vdc d 48Vdc d 12Vdc
423-501-20 Rec 423-501-22 Rec 423-501-24 Rec	20mA 5/6Vdc 1 24Vdc 1 48Vdc 1 12Vdc
423-501-20 Rec 423-501-22 Rec 423-501-24 Rec	5/6Vdc d 24Vdc d 48Vdc d 12Vdc
423-501-22 Rec 423-501-24 Rec	24Vdc d 48Vdc d 12Vdc
423-501-24 Red	48Vdc 1 12Vdc
	12Vdc
423-502-21 Red	
423-503-04 Red	d I 20mA
423-503-20 Red	· · · · · · · · · · · · · · · · · · ·
423-503-22 Red	
423-503-22-01 Red	
423-503-24 Red	
423-503-72 Red	
	nge 20mA
	inge 2011A
	nge 24Vdc
	nge 24Vdc
	nge 48Vac
	nge 48Vac
423-509-04 Yell	
423-509-20 Yell	
423-509-21 Yell	
423-509-22 Yell	
423-509-24 Yell	ow 48Vdc
423-512-04 Gre	en 20mA
423-512-20 Gre	en 5/6Vdc
423-512-21 Gre	en 12Vdc
423-512-22 Gre	en 24Vdc
423-512-22-01 Gre	en 24Vdc
423-512-24 Gre	en 48Vdc
423-512-72 Gre	en 24Vac
423-521-04 Yell	ow 20mA
423-521-20 Yell	ow 5/6Vdc
423-521-22 Yell	ow 24Vdc
423-521-24 Yell	ow 48Vdc
423-521-74 Yell	ow 48Vac
423-532-04 Gre	en 20mA
423-532-21 Gre	en 12Vdc
423-532-22 Gre	en 24Vdc
UNITS	

PART NO.	COLOUR	VOLTAGE
		(Vdc) Vopr
423-532-24	Green	48Vdc
423-930-04	Blue	20mA
423-930-22	Blue	24Vdc
423-930-24	Blue	48Vdc
423-993-04	Warm White	20mA
423-993-23	Warm White	24-28Vdc
423-993-24	Warm White	48Vdc
423-993-73	Warm White	28Vac
423-997-04	White	20mA
423-997-21	White	12Vdc
423-997-22	White	24Vdc
423-997-24	White	48Vdc
UNITS		

The products listed above illustrate all of the options available to order. These products may have custom modifications that alter their operation beyond the generic information contained within this datasheet. Please contact sales for further information.

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